



Db 1 MEMGRIHLELRNTPSDVVKELVLDNSRNEGKLEGLTDFEELFSTINVLGTSIANKL 60  
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Qy 117 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 176  
Db 121 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 180  
Qy 177 EDAQVVEDE 234  
Db 181 EDAQVVEDE 238

RESULT 2  
US-08-314-503A-2  
; Sequence 2, Application US/08314503A  
; Patent No. 5734022  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhajda, Francis P.  
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With  
; TITLE OF INVENTION: Uncontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/314,503A  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/314,503  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 249 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-314-503A-2

Query Match 82.3%; Score 1001; DB 1; Length 249;  
Best Local Similarity 86.1%; Pred. No. 4.1e-88;  
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;  
Qy 1 MEMGRIHLELRNTPSDVVKELVLDNSRNEGKLEGLTDFEELFSTINVLGTSIANKL 60  
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Qy 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLGNKIKDLSSTIEPLKQLENKSLDL 116  
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Qy 117 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 176  
Db 121 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 180  
Qy 177 EDAQVVEDE 234  
Db 181 EDAQVVEDE 238

Db 181 EDAQVVEDE 238  
RESULT 3  
US-08-468-066-2  
; Sequence 2, Application US/08468066  
; Patent No. 5756676  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhajda, Francis P.  
; TITLE OF INVENTION: No. 5756676el Mammalian Protein Associated With  
; TITLE OF INVENTION: Uncontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/468,066  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/314,503  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 249 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-468-066-2

Query Match 82.3%; Score 1001; DB 1; Length 249;  
Best Local Similarity 86.1%; Pred. No. 4.1e-88;  
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;  
Qy 1 MEMGRIHLELRNTPSDVVKELVLDNSRNEGKLEGLTDFEELFSTINVLGTSIANKL 60  
Db 1 MEMGRIHLELRNTPSDVVKELVLDNSRNEGKLEGLTDFEELFSTINVLGTSIANKL 60  
Qy 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLGNKIKDLSSTIEPLKQLENKSLDL 116  
Db 61 PKLKLKLELSDNRVSGGLEVLAEKCPNLTLYLGNKIKDLSSTIEPLKQLENKSLDL 120  
Qy 117 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 176  
Db 121 FNCVNTLNNDYGNVFKLLQLTLYLDSQYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 180  
Qy 177 EDAQVVEDE 234  
Db 181 EDAQVVEDE 238  
RESULT 4  
US-08-466-717-2  
; Sequence 2, Application US/08466717  
; Patent No. 5874234

GENERAL INFORMATION:  
APPLICANT: Pasternack, Gary R.  
APPLICANT: Kuhlida, Francis P.  
TITLE OF INVENTION: No. 5874234el Mammalian Protein Associated With  
TITLE OF INVENTION: Uncontrolled Cell Division  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie & Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington, D.C.  
STATE: District of Columbia  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/466,717  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/314,503  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Porske Esq., Laurence H.  
REGISTRATION NUMBER: 34,698  
REFERENCE/DOCKET NUMBER: 1107.47218  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202 508-9153  
TELEFAX: 202 508-9299  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 249 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-466-717-2

Query Match 82.3%; Score 1001; DB 2; Length 249;  
Best Local Similarity 86.1%; Pred. No. 4.1e-88;  
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;

QY 1 MEMGRIHSLRNKAPSDVKELALDNRNSNEGKLEALTDPEFEFLSKINGLTSIDL 60  
DB 1 MEMGRIHSLRNKAPSDVKELALDNRNSNEGKLEALTDPEFEFLSKINGLTSIDL 60  
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTPPLKLENKSLDL 116  
DB 61 PKL-KLRKLELSDNRVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTPPLKLENKSLDL 120  
QY 117 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVGLEDDEEHEEYD 176  
DB 121 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVGLEDDEEHEEYD 180  
QY 177 EDQAVVEDDE 234  
DB 181 EDQAVVEDDE 238

RESULT 5  
US-08-766-738-4  
Sequence 4, Application US/08766738  
Patent No. 5916749  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Goli, Surya K.  
TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive

CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/766,738  
FILING DATE: Herewith  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PP-0177 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-845-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 249 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GenBank  
CLONE: 403007  
US-08-766-738-4

Query Match 82.3%; Score 1001; DB 2; Length 249;  
Best Local Similarity 86.1%; Pred. No. 4.1e-88;  
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;

QY 1 MEMGRIHSLRNKAPSDVKELALDNRNSNEGKLEALTDPEFEFLSKINGLTSIDL 60  
DB 1 MEMGRIHSLRNKAPSDVKELALDNRNSNEGKLEALTDPEFEFLSKINGLTSIDL 60  
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTPPLKLENKSLDL 116  
DB 61 PKL-KLRKLELSDNRVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTPPLKLENKSLDL 120  
QY 117 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVGLEDDEEHEEYD 176  
DB 121 FNCVNTLNNDYGNVFKLLQLTYLDSYWDHKEAPYSIDEDHVGLEDDEEHEEYD 180  
QY 177 EDQAVVEDDE 234  
DB 181 EDQAVVEDDE 238

RESULT 6  
US-08-466-743-2  
Sequence 2, Application US/08466743  
Patent No. 6040173  
GENERAL INFORMATION:  
APPLICANT: Pasternack, Gary R.  
APPLICANT: Kuhlida, Francis P.  
TITLE OF INVENTION: No. 6040173el Mammalian Protein Associated With  
TITLE OF INVENTION: Uncontrolled Cell Division  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie & Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington, D.C.  
STATE: District of Columbia  
COUNTRY: U.S.A.  
ZIP: 20001



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, , REGISTRATION NUMBER: 19,090
, , REFERENCE/DOCKET NUMBER: 1107.51507
, , TELECOMMUNICATION INFORMATION:
, , TELEPHONE: 202 508-9153
, , TELEFAX: 202 508-9299
, , INFORMATION FOR SEQ ID NO: 2:
, , SEQUENCE CHARACTERISTICS:
, , LENGTH: 249 amino acids
, , TYPE: amino acid
, , TOPOLOGY: linear
, , MOLECULE TYPE: protein
PCT-US95-12414-2

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Query Match	32.3%;	Score 1001;	DB 5;	Length 249;
Best Local Similarity	86.1%;	Pred. No. 4.1e-88;		
Matches 205;	Conservative	7;	Mismatches 22;	Indels 4; Gaps 2;
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DB	1	MEMGRIHLELRNRTPSDVKELVLDNRSNEGKLEGLTDPEEUEFLSTINVGLTISANL	60	
QY	61	PKL-KURKLEI-----RVSGGLEVLAEKCPNLTHLYLSGNKI KDLSTIPLKOLENLKSLDL	116	
DB	61	PKLNLKLELSQNRVSGGLEVLAEKCPNLTHNLNGKI KDLSTIPLKLENLKSLDL	120	
QY	117	FNCEVTMLNDYGENVPFKLLQLTLYLDSQYNDHKAPYSDIEDHVEGLDDDEEGHSEBYD	176	
DB	121	FNCEVTMLNDYRENVPFKLLQLTLYLDGYDRDKAAPSDAEGYVEGLDDEEDDEBYD	180	
QY	177	EDAQWVEDGEDEEEEGEBEDYSGGBDEBDEGYNDCGEVGEDEEBELGHEERQCKK	234	
DB	181	EDAQWVEDGEDEEBEGEBEDYSGGBDEBDEGYNDCGEVDEEDDEEBELGHEERQCKK	238	

RESULT 9  
US-08-766-738-3

Patent No. 5916749  
GENERAL INFORMATION:  
APPLICANT: Bardman, Olga  
APPLICANT: Goli, Surya K.  
TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/766,738  
FILING DATE: Herewith  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PP-0177 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 251 amino acids

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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1498225
US-08-766-738-3

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Query Match	56.23;	Score	683.5;	DB	2;	Length	251;
Best Local Similarity	61.08;	Pred. No.	1.1e-57;				
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Gaps	8						
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Qy	61	PKL-KLAKLEL----	RVSGGLEVLAEKCNLTHVL	SGNKKIKDLSIEPLKOLENLSK	ISDL	116	
Db	61	PKPLKKLELSENRIPEGDMLAEKLPNLTHL	NSGNKKIKDLSIEPLKLECKLS	ISDL	120		
Qy	117	FNCEVTNLNDYGENVPFKLLQTLTLDSCYWDH	OKHAPYSIDIDHVEGLDDBEEGH-	REY	175		
Db	121	FNCEVTNLNDYRESVFKLLPOLTYLDGYDRED	QDAPDSDAE--VDGVDEEEDERGED	EE	178		
Qy	176	DEDAQVVEDGESEE---	EEGESEEDYSG-----	GEDEBEGTNDGEVDEE	DEELG	225	
Db	179	DED-----	DEGESEEDDEDDDEDVEGDDDE	SESEEEFGLDREDEDEDE	DEES-B	232	
Qy	226	EEBEGQKRK	234				
Db	233	EGGKEKRK	241				

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; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1498225
; US-09-262-610-3

Query Match      56.2%; Score 683.5; DB 4; Length 251;
Best Local Similarity 61.0%; Pred. No. 1.1e-57;
Matches 152; Conservative 34; Mismatches 40; Indels 23; Gaps 8;

Qy 1 MEMGRIHSELNRAPSDVKELALDNRSGKGLKALTDPEFELEFLSKINGGLTISDL 60
Db 1 MDMKRRIHLELRNRTPAARVRLVLDNCKNSDNGKTEGLTAEFVNLEFLSLINVGLSVSNL 60
Qy 61 PKL-KLKLKL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTIEPLKOLENLSLDL 116
Db 61 PKLPGKXKLELSENRIFGGDLMLAEKLPNLTHTLNLGNKLDISTLEPLKLECLKSLDL 120
Qy 117 FNCVTVNLNDYGENVFKLLQLQTYLDSQYWDHKEAPYSIDEDHVEGLDDPEEGEH-EEFY 175
Db 121 FNCVTVNLNDYRESVFKLLPQLTYLDGVDREDOEAPDSAE--VDGVDEEEDDEGEDEE 178
Qy 176 DEDAQVVEDEGEDEE---EEGEEDVSG-----GDEDEEGYNDGVDEEDDEELG 225
Db 179 DED-----DEGEDEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEE-E 232
Qy 226 EEEGQKRX 234
Db 233 EGGKEXKX 241

RESULT 11
US-08-766-738-1
; Sequence 1, Application US/08766738
; Patent No. 5915749
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/766,738
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: single

; STRANDEDNESS: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: 1813361
; US-08-766-738-1

Query Match      55.6%; Score 676.5; DB 2; Length 251;
Best Local Similarity 60.6%; Pred. No. 5.2e-57;
Matches 151; Conservative 34; Mismatches 41; Indels 23; Gaps 8;

Qy 1 MEMGRIHSELNRAPSDVKELALDNRSGKGLKALTDPEFELEFLSKINGGLTISDL 60
Db 1 MDMKRRIHLELRNRTPAARVRLVLDNCKNSDNGKTEGLTAEFVNLEFLSLINVGLSVSNL 60
Qy 61 PKL-KLKLKL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSLTIEPLKOLENLSLDL 116
Db 61 PKLPGKXKLELSENRIFGGDLMLAEKLPNLTHTLNLGNKLDISTLEPLKLECLKSLDL 120
Qy 117 FNCVTVNLNDYGENVFKLLQLQTYLDSQYWDHKEAPYSIDEDHVEGLD-DEEGEHEEY 175
Db 121 FNCVTVNLNDYRESVFKLLPQLTYLDGVDREDOEAPDSAE--VDGVDEEEDDEGEDEE 178
Qy 176 DEDAQVVEDEGEDEE---EEGEEDVSG-----GDEDEEGYNDGVDEEDDEELG 225
Db 179 DED-----DEGEDEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEE-E 232
Qy 226 EEEGQKRX 234
Db 233 EGGKEXKX 241

RESULT 12
US-09-262-610-1
; Sequence 1, Application US/09262610
; Patent No. 6428949
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,610
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/766,738
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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IMMEDIATE SOURCE:  
LIBRARY: Consensus  
CLONE: 1813361  
US-09-262-610-1

Query Match 55.6%; Score 676.5; DB 4; Length 251;  
Best Local Similarity 60.6%; Pred. No. 5.2e-57;  
Matches 151; Conservative 34; Mismatches 41; Indels 23; Gaps 8;  
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QY 61 PKL-KRLKLEL---RVSGGLEVLAKCPNLTHLYLSGNKIKDLSITIEPLKOLENLSKSLDL 116  
DB 61 PKLKKLELSENRIFGSLDLMAELPNLTHNLNSGNKIXDLSITIEPLKLECLSLDL 120  
QY 117 FNCVNTNLDYGENVFKLLQLTYLDSQYWDHKEAPSYDIEHVEGLD-DEEEGHEEY 175  
DB 121 FNCVNTNLDYRESVFKLLPQLTYLDGYDRDQEAAPSDAE--VDGVXXEEDGSGDEE 178  
QY 176 DEDAQVDEEEGEE---EEEGEEDVSG-----GDEDEGYNQDGEVQDGEDEEELG 225  
DB 179 DED-----DEDEEEFEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEE-E 232  
QY 226 EEEGQKRX 234  
DB 233 EGGKGEKRX 241

RESULT 13  
US-08-466-603-5  
; Sequence 5, Application US/08466603  
; Patent No. 5726018  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhajda, Francis P.  
; TITLE OF INVENTION: No. 5726018el Mammalian Protein Associated With  
; TITLE OF INVENTION: Unccontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION NUMBER: US 08/466,603  
; APPLICATION DATA:  
; APPLICATION NUMBER: US 08/314,503  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 182 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-466-603-5

Query Match 53.3%; Score 648.5; DB 1; Length 182;  
Best Local Similarity 77.5%; Pred. No. 1.6e-54;  
Matches 134; Conservative 11; Mismatches 23; Indels 5; Gaps 2;  
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DB 1 VKKLELSENRISGDLVLAKCPNLKHLNLSGNKIKDLSITIEPLKLELNLKSLDLFNCV 60  
QY 122 TNLNDYGENVFKLLQLTYLDSQYWDHKEAPSYDIEHVEGLDDEEHEEYDEDAQV 181  
DB 61 TNLNAYRENVPKLLPQVYLDGYDRDNKEAPSDSVGYVE--DDEDEDEDEEYDEYLAQ 118  
QY 182 VEDEEGEEREGEEDVSGDEDEEGYNDGEVDEDEEELGEEERQKRX 234  
DB 119 VEDEEEREGEEDVSGDEDEEGYNDGEVDEDEEELGEEERQKRX 171

RESULT 14  
US-08-314-503A-5  
; Sequence 5, Application US/08314503A  
; Patent No. 5734022  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhajda, Francis P.  
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With  
; TITLE OF INVENTION: Unccontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/314,503A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 182 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-314-503A-5

Query Match 53.3%; Score 648.5; DB 1; Length 182;  
Best Local Similarity 77.5%; Pred. No. 1.6e-54;  
Matches 134; Conservative 11; Mismatches 23; Indels 5; Gaps 2;  
QY 65 LRKLEL---RVSGGLEVLAKCPNLTHLYLSGNKIKDLSITIEPLKOLENLSKSLDLFNCV 121  
DB 1 VKKLELSENRISGDLVLAKCPNLKHLNLSGNKIKDLSITIEPLKLELNLKSLDLFNCV 60  
QY 122 TNLNDYGENVFKLLQLTYLDSQYWDHKEAPSYDIEHVEGLDDEEHEEYDEDAQV 181  
DB 61 TNLNAYRENVPKLLPQVYLDGYDRDNKEAPSDSVGYVE--DDEDEDEDEEYDEYLAQ 118  
QY 182 VEDEEGEEREGEEDVSGDEDEEGYNDGEVDEDEEELGEEERQKRX 234  
DB 119 VEDEEEREGEEDVSGDEDEEGYNDGEVDEDEEELGEEERQKRX 171

DB 119 VEDRESEVHEBEGEDVSGERSEDEGYNDEVDDEDEBACEEGSQKX 171

RESULT 15  
US-08-468-066-5  
Sequence 5, Application US/08468066  
Patent No. 5756676  
GENERAL INFORMATION:  
APPLICANT: Pasternack, Gary R.  
APPLICANT: Kuhnajda, Francis P.  
TITLE OF INVENTION: NO. 5756676el Mammalian Protein Associated With  
TITLE OF INVENTION: Uncontrolled Cell Division  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSSE: Banner, Birch, McKie & Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington, D.C.  
STATE: District of Columbia  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/468,066  
APPLICATION NUMBER: US/08/468,066  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/314,503  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Posorske Esq., Laurence H.  
REGISTRATION NUMBER: 34,698  
REFERENCE/DOCKET NUMBER: 1107.47218  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202 508-9153  
TELEFAX: 202 508-9299  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 182 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-468-066-5



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 24, 2004, 10:39:01 ; Search time 17.0124 Seconds  
(without alignments)  
755.616 Million cell updates/sec

Title: US-09-591-500A-5  
Perfect score: 1288  
Sequence: 1 MEMGRIHLELRNTPSDVK.....EEERGQKKEPDEGEHDD 249

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1288	100.0	249	1 US-08-466-603-2	Sequence 2, Appli
2	1288	100.0	249	1 US-08-314-503A-2	Sequence 2, Appli
3	1288	100.0	249	1 US-08-468-066-2	Sequence 2, Appli
4	1288	100.0	249	2 US-08-466-717-2	Sequence 2, Appli
5	1288	100.0	249	2 US-08-766-738-4	Sequence 4, Appli
6	1288	100.0	249	3 US-08-466-743-2	Sequence 2, Appli
7	1288	100.0	249	4 US-09-262-610-4	Sequence 2, Appli
8	1288	100.0	249	5 PCT-US95-12414-2	Sequence 2, Appli
9	897.5	69.7	251	2 US-08-766-738-3	Sequence 3, Appli
10	897.5	69.7	251	4 US-09-262-610-3	Sequence 3, Appli
11	880.5	68.4	251	2 US-08-766-738-1	Sequence 1, Appli
12	880.5	68.4	251	4 US-09-262-610-1	Sequence 1, Appli
13	843	65.5	182	1 US-08-466-603-5	Sequence 5, Appli
14	843	65.5	182	1 US-08-314-503A-5	Sequence 5, Appli
15	843	65.5	182	1 US-08-468-066-5	Sequence 5, Appli
16	843	65.5	182	2 US-08-466-717-5	Sequence 5, Appli
17	843	65.5	182	3 US-08-466-743-5	Sequence 5, Appli
18	843	65.5	182	5 PCT-US95-12414-5	Sequence 5, Appli
19	216	16.8	1162	2 US-08-728-323A-2	Sequence 2, Appli
20	216	16.8	1162	4 US-09-298-568-2	Sequence 2, Appli
21	216	16.8	1162	4 US-09-410-399-2	Sequence 2, Appli
22	197.5	15.3	905	2 US-08-574-959A-9	Sequence 9, Appli
23	197.5	15.3	905	3 US-09-357-014-9	Sequence 9, Appli
24	197.5	15.3	1135	2 US-08-574-959A-7	Sequence 7, Appli
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26	188.5	14.6	279	4 US-09-699-266A-7	Sequence 7, Appli
27	182.5	14.2	764	1 US-08-375-300-4	Sequence 4, Appli

28	182.5	14.2	764	3 US-09-177-431-4	Sequence 4, Appli
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32	182.5	14.2	1089	5 PCT-US95-16930-2	Sequence 2, Appli
33	174	13.5	714	2 US-08-990-114-3	Sequence 3, Appli
34	174	13.5	714	4 US-09-241-333-3	Sequence 3, Appli
35	168	13.0	1504	4 US-09-364-206-2	Sequence 2, Appli
36	162	12.6	411	2 US-08-741-134-6	Sequence 5, Appli
37	161.5	12.5	740	1 US-08-257-073-5	Sequence 6, Appli
38	158	12.3	764	4 US-09-370-838-67	Sequence 67, Appli
39	156	12.1	740	3 US-09-022-983-5	Sequence 5, Appli
40	155.5	12.1	231	3 US-09-461-697-194	Sequence 194, App
41	155.5	12.1	232	3 US-09-461-697-192	Sequence 192, App
42	155.5	12.1	238	3 US-09-461-697-190	Sequence 190, App
43	155.5	12.1	257	3 US-09-461-697-188	Sequence 188, App
44	155.5	12.1	272	3 US-09-461-697-186	Sequence 186, App
45	155	12.0	3135	1 US-08-323-170B-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1  
US-08-466-603-2  
; Sequence 2, Application US/08466603  
; Patent No. 5726018  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhajda, Francis P.  
; TITLE OF INVENTION: No. 5726018el Mammalian Protein Associated With  
; TITLE OF INVENTION: Uncontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/466,603  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/314,503  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 249 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-466-603-2

Query Match 100.0%; Score 1288; DB 1; Length 249;  
Best Local Similarity 100.0%; Pred. No. 3.3e-102;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNTPSDVKELVLDNSNEKGLTDEFELEFLSTINVLSTIANL 60  
|||||

Db 1 MEMGRIHLELRNTPSDVKELVLDNRSNKGKLEGLTDFEELFSTINVLSTIANL 60  
Qy 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Db 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Qy 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180  
Db 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180  
Qy 181 EDAQVVEDEDEDEEEREGEDSVSGEERDEEGYNDGEVDDDEEELGSEERGGQKKE 240  
Db 181 EDAQVVEDEDEDEEEREGEDSVSGEERDEEGYNDGEVDDDEEELGSEERGGQKKE 240  
Qy 241 PEDEGEDDD 249  
Db 241 PEDEGEDDD 249

RESULT 2  
US-08-314-503A-2  
; Sequence 2, Application US/08314503A  
; Patent No. 5734022  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kuhnaja, Francis P.  
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With  
; TITLE OF INVENTION: Uncontrolled Cell Division  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner, Birch, McKie & Beckett  
; STREET: 1001 G Street, N.W.  
; CITY: Washington, D.C.  
; STATE: District of Columbia  
; COUNTRY: U.S.A.  
; ZIP: 20001  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/314,503A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Posorske Esq., Laurence H.  
; REGISTRATION NUMBER: 34,698  
; REFERENCE/DOCKET NUMBER: 1107.47218  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202 508-9153  
; TELEFAX: 202 508-9299  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 249 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-314-503A-2

Query Match 100.0%; Score 1288; DB 1; Length 249;  
Best Local Similarity 100.0%; Pred. No. 3.3e-102;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MEMGRIHLELRNTPSDVKELVLDNRSNKGKLEGLTDFEELFSTINVLSTIANL 60  
Db 1 MEMGRIHLELRNTPSDVKELVLDNRSNKGKLEGLTDFEELFSTINVLSTIANL 60  
Qy 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Db 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Qy 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180

Db 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180  
Qy 181 EDAQVVEDEDEDEEEREGEDSVSGEERDEEGYNDGEVDDDEEELGSEERGGQKKE 240  
Db 181 EDAQVVEDEDEDEEEREGEDSVSGEERDEEGYNDGEVDDDEEELGSEERGGQKKE 240  
Qy 241 PEDEGEDDD 249  
Db 241 PEDEGEDDD 249

Query Match 100.0%; Score 1288; DB 1; Length 249;  
Best Local Similarity 100.0%; Pred. No. 3.3e-102;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEMGRIHLELRNTPSDVKELVLDNRSNKGKLEGLTDFEELFSTINVLSTIANL 60  
Db 1 MEMGRIHLELRNTPSDVKELVLDNRSNKGKLEGLTDFEELFSTINVLSTIANL 60  
Qy 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Db 61 PKLNKLEKLESDNRVSGGLEVLAEKCPNLTNLNLSGNKIKDSTIEPLKLENLKSLDL 120  
Qy 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180  
Db 121 FNCVNTNLDYRNVFKLLPQLTLYLDGYDRDDKEAPDSAEYVGEGLDDEEEDDEEYD 180  
Qy 181 EDAQVVEDEDEDEEEREGEDSVSGEERDEEGYNDGEVDDDEEELGSEERGGQKKE 240



Db 241 PEDEGEDDD 249

RESULT 6

US-08-466-743-2

Sequence 2, Application US/08466743

Patent No. 6040173

GENERAL INFORMATION:

APPLICANT: Pasternack, Gary R.

APPLICANT: Kuhnajda, Francis P.

TITLE OF INVENTION: No. 6040173el Mammalian Protein Associated with

TITLE OF INVENTION: Uncontrolled Cell Division

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckett

STREET: 1001 G Street, N.W.

CITY: Washington, D.C.

STATE: District of Columbia

COUNTRY: U.S.A.

ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/466,743

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/314,503

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.

REGISTRATION NUMBER: 34,698

REFERENCE/DOCKET NUMBER: 1107.47218

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 249 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-466-743-2

Query Match 100.0%; Score 1288; DB 3; Length 249;

Best Local Similarity 100.0%; Pred. No. 3.3e-102;

Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEFEELFLSTINVGLTSIANL 60

Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEFEELFLSTINVGLTSIANL 60

Qy 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHNLNSGNKIKDLSIEPLKLENLKSIDL 120

Db 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHNLNSGNKIKDLSIEPLKLENLKSIDL 120

Qy 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Db 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Qy 181 EDAQVVEDE 240

Db 181 EDAQVVEDE 240

Qy 241 PEDEGEDDD 249

Db 241 PEDEGEDDD 249

RESULT 7

US-09-262-610-4

Sequence 4, Application US/09262610

Patent No. 6428949

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/262,610

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/766,738

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PP-0177 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 249 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 403007

US-09-262-610-4

Query Match 100.0%; Score 1288; DB 4; Length 249;

Best Local Similarity 100.0%; Pred. No. 3.3e-102;

Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEFEELFLSTINVGLTSIANL 60

Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEGKLEGLTDEFEELFLSTINVGLTSIANL 60

Qy 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHNLNSGNKIKDLSIEPLKLENLKSIDL 120

Db 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHNLNSGNKIKDLSIEPLKLENLKSIDL 120

Qy 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Db 121 FNCVETNLNDYRENVFKLLPQLTYLDGYDRDDKEAPDSDAEGYVEGLDDEDEDEEYD 180

Qy 181 EDAQVVEDE 240

Db 181 EDAQVVEDE 240

Qy 241 PEDEGEDDD 249

Db 241 PEDEGEDDD 249

RESULT 8

PCT-US95-12414-2

Sequence 2, Application PC/TUS9512414  
 GENERAL INFORMATION:  
 APPLICANT: Pasternack, Gary P.  
 APPLICANT: Kuhajda, Francis P.  
 TITLE OF INVENTION: Novel Mammalian Protein Associated With  
 TITLE OF INVENTION: Uncontrolled Cell Division  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Banner & Allegretti, Ltd.  
 STREET: 1001 G Street, N.W.  
 CITY: Washington, D.C.  
 STATE: District of Columbia  
 COUNTRY: U.S.A.  
 ZIP: 20001

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US95/12414  
 FILING DATE:

CLASSIFICATION:  
 PRIOR APPLICATION DATA: US 08/314,503  
 APPLICATION NUMBER: 22-SEP-1994  
 FILING DATE: 22-SEP-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hoescheit Esq., Dale H.  
 REGISTRATION NUMBER: 19,090  
 REFERENCE/DOCKET NUMBER: 1107.51507  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202 508-9153  
 TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 249 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 PCT-US95-12414-2

Query Match 100.0%; Score 1288; DB 5; Length 249;  
 Best Local Similarity 100.0%; Pred. No. 3.3e-102;  
 Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MEMGRIHLELRNRTSDVKELVLDNSRNECKLEGITDPEFELPLSTINVLTSIANL	60
DB	1	MEMGRIHLELRNRTSDVKELVLDNSRNECKLEGITDPEFELPLSTINVLTSIANL	60
QY	61	PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGSKNKKDLSSTIEPLKLENLKSIDL	120
DB	61	PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGSKNKKDLSSTIEPLKLENLKSIDL	120
QY	121	FNCEVTNLDYRENVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEEEDDEEYD	180
DB	121	FNCEVTNLDYRENVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEEEDDEEYD	180
QY	181	EDAQVVEDE	240
DB	181	EDAQVVEDE	240
QY	241	PEDEGEDDD 249	
DB	241	PEDEGEDDD 249	

RESULT 9  
 US-08-766-738-3  
 Sequence 3, Application US/08766738  
 Patent No. 5916749  
 GENERAL INFORMATION:  
 APPLICANT: Bandman, Olga  
 APPLICANT: Goli, Surya K.

TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Forter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSeq for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/766,738  
 FILING DATE: Herewith  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0177 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX:

INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 251 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: GenBank  
 CLONING: 1498225  
 US-08-766-738-3

Query Match 69.7%; Score 897.5; DB 2; Length 251;  
 Best Local Similarity 70.1%; Pred. No. 6.1e-69;  
 Matches 178; Conservative 38; Mismatches 29; Indels 9; Gaps 4;

QY	1	MEMGRIHLELRNRTSDVKELVLDNSRNECKLEGITDPEFELPLSTINVLTSIANL	60
DB	1	MDMKRIHLELRNRTPAARVLDNDCKNDCKLEGITDPEFELPLSTINVLTSIANL	60
QY	61	PKLNKLELSDNRVSGGLEVLAEKCPNLTHLNLGSKNKKDLSSTIEPLKLENLKSIDL	120
DB	61	PKLPKLELSENIPGGLDMLAEKLENLTHLNLGSKNKKDLSSTIEPLKLENLKSIDL	120
QY	121	FNCEVTNLDYRENVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEEEDDEE	176
DB	121	FNCEVTNLDYRENVFKLLPOLTYLDGYDRDKEAPSDAEGYVGLDDEEEDDEE	178
QY	177	BEYDEDAQVVE--DE	234
DB	179	DE	237
QY	235	QKRRKPEDEGEDD 249	
DB	238	EKKRRETDEGEDD 251	

RESULT 10  
 US-09-262-610-3  
 Sequence 3, Application US/09262610  
 Patent No. 6428949  
 GENERAL INFORMATION:  
 APPLICANT: Bandman, Olga  
 APPLICANT: Goli, Surya K.  
 TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN

; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/262,610  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/766,738  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PF-0177 US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 251 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: GenBank  
 ; CLONE: 1498225  
 ; US-09-262-610-3

Query Match 69.7%; Score 897.5; DB 4; Length 251;  
 Best Local Similarity 70.1%; Pred. No. 6.1e-69;  
 Matches 178; Conservative 38; Mismatches 29; Indels 9; Gaps 4;  
 Qy 1 MEMGRRHLELRNTPSDVKELVLDNSRNEGKLEGLTDRPEEFLEFLSTINVLGITSANL 60  
 Db 1 MDKGRHLELRNTPAAVRELVLNCKSNCKIEGLTAEFVNLEFLSLINVLISVSNL 60  
 Qy 61 PKLAKLKLKLELSDNRVSGGLEVLAEKCPNLTMLNSGNKIKOLSTIEPLKLENLKSLDL 120  
 Db 61 PKLAKLKLKLELSENREFGGLMLAEKLPNLTMLNSGNKIKOLSTIEPLKLENLKSLDL 120  
 Qy 121 FNCVETNLNDYRENVEFKLLPOLTYLDGYDRDKEAPDSDAEGYVEGLDDDEED 176  
 Db 121 FNCVETNLNDYRESVEFKLLPOLTYLDGYDRDQAPDSDAE--VDGYDEEEDEEGDEE 178  
 Qy 177 EYEDAQVVE--DEEEDDEEEGEEDVSGEEEDDEEGYNDGKVDDEDEEELGEBERG 234  
 Db 179 DEEDDGESEEFDEDEDEDEVEGEDEDEDEVESEEEFGLDEDEDEDEDEEER-EEGKGK 237  
 Qy 235 QKREPEDEGEDD 248  
 Db 238 EKRRETDDEGEDD 251

RESULT 11  
 US-08-766-738-1  
 ; Sequence 1, Application US/08766738  
 ; Patent No. 5916749  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bandman, Olga  
 ; APPLICANT: Goli, Surya K.  
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
 ; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/766,738  
 ; FILING DATE: Herewith  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PF-0177 US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; TELEX:  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 251 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: Consensus  
 ; CLONE: 1813361  
 ; US-08-766-738-1

Query Match 68.4%; Score 880.5; DB 2; Length 251;  
 Best Local Similarity 68.1%; Pred. No. 1.7e-67;  
 Matches 173; Conservative 39; Mismatches 33; Indels 9; Gaps 3;  
 Qy 1 MEMGRRHLELRNTPSDVKELVLDNSRNEGKLEGLTDRPEEFLEFLSTINVLGITSANL 60  
 Db 1 MDKGRHLELRNTPAAVRELVLNCKSNCKIEGLTAEFVNLEFLSLINVLISVSNL 60  
 Qy 61 PKLAKLKLKLELSDNRVSGGLEVLAEKCPNLTMLNSGNKIKOLSTIEPLKLENLKSLDL 120  
 Db 61 PKLAKLKLKLELSENREFGGLMLAEKLPNLTMLNSGNKIKOLSTIEPLKLENLKSLDL 120  
 Qy 121 FNCVETNLNDYRENVEFKLLPOLTYLDGYDRDKEAPDSDAEGYVEGLDDDEED 174  
 Db 121 FNCVETNLNDYRESVEFKLLPOLTYLDGYDRDQAPDSDAE--VDGYDXKEEDGEDEE 178  
 Qy 175 DEEYEDAQVVEDEDEDEDEEEDVSGEEEDDEEGYNDGKVDDEDEEELGEBERG 234  
 Db 179 DEEDDGESEEFDEDEDEDEVEGEDEDEDEVESEEEFGLDEDEDEDEDEEER-EEGKGK 237  
 Qy 235 QKREPEDEGEDD 248  
 Db 238 EKRRETDDEGEDD 251

RESULT 12  
 US-09-262-610-1  
 ; Sequence 1, Application US/09262610  
 ; Patent No. 6428949  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bandman, Olga  
 ; APPLICANT: Goli, Surya K.  
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/262,610
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/766,738
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0177 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 251 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: 1813361
;
; US-09-262-610-1

```

```

Query Match 68.4%; Score 880.5; DB 4; Length 251;
Best Local Similarity 68.1%; Pred. No. 1.7e-67;
Matches 173; Conservative 39; Mismatches 33; Indels 9; Gaps 3;

QY 1 MEMGRHLELRNRPSPVKELVLDNRSNCKLRLGLTDEPEERLEPTINVLSTANTL 60
DB 1 MDKGRHLELRNRPSPVKELVLDNRSNCKLRLGLTDEPEERLEPTINVLSTANTL 60

QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGNKIKDLSTIEPLKLENLKSLDL 120
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHNLGNKIKDLSTIEPLKLENLKSLDL 120

QY 121 FNCVNTLNDRYRNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEED 174
DB 121 FNCVNTLNDRYRNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEED 174

QY 175 DEEYEDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 234
DB 175 DEEYEDAQVVEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 234

QY 235 QKRKREPEDEDED 248
DB 238 BKRRKRETDDEDED 251

```

```

RESULT 13
; Sequence 5, Application US/08466603
; Patent No. 5726018
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5726018el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,603
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/314,503
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske Esq., Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.47218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9153
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-08-466-603-5

```

```

Query Match 65.5%; Score 843; DB 1; Length 182;
Best Local Similarity 88.0%; Pred. No. 1.8e-64;
Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

QY 66 LKLELSDNRVSGGLEVLAEKCPNLTHNLGNKIKDLSTIEPLKLENLKSLDLFNCV 125
DB 1 VKLELSENRIISGLVLAECPCNLKHLNLSGNKIKDLSTIEPLKLENLKSLDLFNCV 60

QY 126 TNLNDYRNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEEDDEEYEDAQV 185
DB 61 TNLNDYRNVFKLLPOLTYLDGYDRDDKAPSDAEGYVEGLDDEEDDEEYEDAQV 118

QY 186 VEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 245
DB 119 VEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 178

QY 246 EDD 249
DB 179 EDD 182

```

```

RESULT 14
; Sequence 5, Application US/08314503A-5
; Patent No. 5734022
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kuhajda, Francis P.
; TITLE OF INVENTION: No. 5734022el Mammalian Protein Associated With
; TITLE OF INVENTION: Uncontrolled Cell Division
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/314,503A  
 FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.

REGISTRATION NUMBER: 34,698

REFERENCE/DOCKET NUMBER: 1107.47218

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 182 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-314-503A-5

Query Match 65.5%; Score 843; DB 1; Length 182;  
 Best Local Similarity 88.0%; Pred. No. 1.8e-64;  
 Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

QY 66 LKKLELSNRSVSGGLEVLAEKCPNLTHLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 125  
 DB 1 VKKLELSNRSISGDLVLAEKCPNLKHLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 60  
 QY 126 TNLNDYRENVFKLLPQLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYDEDAQV 185  
 DB 61 TNLNAYRENVFKLLPQVMYLDGYDRDNKEAPSDVEGYVS--DDDEDEDEEYDEYAQL 118  
 QY 186 VEDEDEDEEEREGEEDVSGEERDEEGYNDGEVDDEDEELGEEERGQKREPEDEG 245  
 DB 119 VEDEEEVEEEREGEEDVSGEERDEEGYNDGEVDDEDEEAGEERGSQKREPEDEG 178

QY 246 EDDD 249  
 DB 179 EDDD 182

# RESULT 15

US-08-468-066-5

Sequence 5, Application US/08468066

Patent No. 5756676

GENERAL INFORMATION:

APPLICANT: Pasternack, Gary R.

APPLICANT: Kuhajda, Francis P.

TITLE OF INVENTION: NO. 5756676el Mammalian Protein Associated With

TITLE OF INVENTION: Uncontrolled Cell Division

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckett

STREET: 1001 G Street, N.W.

CITY: Washington, D.C.

STATE: District of Columbia

COUNTRY: U.S.A.

ZIP: 20001

COMPUTER READABLES FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,066

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/314,503

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Posorske Esq., Laurence H.  
 REGISTRATION NUMBER: 34,698  
 REFERENCE/DOCKET NUMBER: 1107.47218  
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9153

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 182 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-468-066-5

Query Match 65.5%; Score 843; DB 1; Length 182;  
 Best Local Similarity 88.0%; Pred. No. 1.8e-64;  
 Matches 162; Conservative 10; Mismatches 10; Indels 2; Gaps 1;

QY 66 LKKLELSNRSVSGGLEVLAEKCPNLTHLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 125  
 DB 1 VKKLELSNRSISGDLVLAEKCPNLKHLNLSGNKIKDLSLTIPLKXLENLKSLLDNCEV 60  
 QY 126 TNLNDYRENVFKLLPQLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYDEDAQV 185  
 DB 61 TNLNAYRENVFKLLPQVMYLDGYDRDNKEAPSDVEGYVS--DDDEDEDEEYDEYAQL 118  
 QY 186 VEDEDEDEEEREGEEDVSGEERDEEGYNDGEVDDEDEELGEEERGQKREPEDEG 245  
 DB 119 VEDEEEVEEEREGEEDVSGEERDEEGYNDGEVDDEDEEAGEERGSQKREPEDEG 178  
 QY 246 EDDD 249  
 DB 179 EDDD 182

Search completed: June 24, 2004, 10:54:58

Job time : 17.0124 secs



GenCore version 5.1.6  
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CM protein - protein search, using sw model

Run on: June 24, 2004, 10:51:52 ; Search time 40.2112 Seconds  
(without alignments)  
1748.173 Million cell updates/sec

Title: US-09-591-500A-5  
Perfect score: 1288  
Sequence: 1 MEMGRIHLELRNTPSDVK.....ESERGQKRKEDEGEDDD 249

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications AA:\*
- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
  - 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
  - 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
  - 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
  - 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
  - 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
  - 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
  - 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
  - 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
  - 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Length	ID	Description
1	1288	100.0	249	Sequence 24, Appl
2	1288	100.0	249	Sequence 4, Appl
3	1288	100.0	249	Sequence 14, Appl
4	1279	99.3	249	Sequence 29, Appl
5	1255	97.4	249	Sequence 10, Appl
6	1218	94.6	249	Sequence 12, Appl
7	1201	93.2	249	Sequence 34, Appl
8	1043	81.0	234	Sequence 24, Appl
9	1002	77.8	234	Sequence 22, Appl
10	1001	77.7	234	Sequence 2, Appl
11	1001	77.7	234	Sequence 49, Appl
12	994	77.2	234	Sequence 16, Appl
13	897.5	69.7	251	Sequence 3, Appl
14	880.5	68.4	251	Sequence 1, Appl
15	781	60.6	268	Sequence 3156, Ap

16	633	49.1	130	14	US-10-273-334-31	Sequence 31, Appl
17	631	49.0	130	15	US-10-108-260A-3032	Sequence 3032, Ap
18	607	47.1	130	14	US-10-273-334-5	Sequence 5, Appl
19	584	45.3	130	14	US-10-273-334-8	Sequence 8, Appl
20	584	45.3	130	14	US-10-273-334-18	Sequence 18, Appl
21	584	45.3	130	14	US-10-273-334-20	Sequence 20, Appl
22	584	45.3	130	14	US-10-273-334-27	Sequence 27, Appl
23	574	44.6	131	14	US-10-273-334-48	Sequence 48, Appl
24	372	28.9	295	12	US-10-424-599-239171	Sequence 239171,
25	233	18.1	197	13	US-10-101-487-51	Sequence 51, Appl
26	233	18.1	197	13	US-10-101-487-114	Sequence 114, App
27	226	17.5	179	13	US-10-101-487-107	Sequence 107, App
28	223	17.3	180	13	US-10-101-487-116	Sequence 116, App
29	219	17.0	176	13	US-10-101-487-56	Sequence 56, Appl
30	216	16.8	1162	12	US-09-894-273-2	Sequence 2, Appl
31	216	16.8	1162	14	US-10-294-804-2	Sequence 2, Appl
32	215	16.7	174	13	US-10-101-487-72	Sequence 72, Appl
33	215	16.7	175	13	US-10-101-487-57	Sequence 57, Appl
34	215	16.7	176	13	US-10-101-487-70	Sequence 70, Appl
35	215	16.7	177	13	US-10-101-487-48	Sequence 48, Appl
36	215	16.7	177	13	US-10-101-487-115	Sequence 115, App
37	215	16.7	179	13	US-10-101-487-46	Sequence 46, Appl
38	215	16.7	181	13	US-10-101-487-45	Sequence 45, Appl
39	215	16.7	186	13	US-10-101-487-44	Sequence 44, Appl
40	215	16.7	187	13	US-10-101-487-50	Sequence 50, Appl
41	215	16.7	191	13	US-10-101-487-81	Sequence 81, Appl
42	215	16.7	198	13	US-10-101-487-42	Sequence 42, Appl
43	215	16.7	200	13	US-10-101-487-53	Sequence 53, Appl
44	215	16.7	240	13	US-10-101-487-75	Sequence 75, Appl
45	215	16.7	350	13	US-10-101-487-58	Sequence 58, Appl

ALIGNMENTS

RESULT 1  
US-09-825-886-24  
; Sequence 24, Application US/09825886  
; Publication No. US20020076693A1  
; GENERAL INFORMATION:  
; APPLICANT: Hovanesian, Ara  
; APPLICANT: Callebaut, Christian  
; APPLICANT: Krust, Bernard  
; APPLICANT: Jacotot, Etienne  
; APPLICANT: Muller, Sylviane  
; APPLICANT: Briand, Jean-Paul  
; APPLICANT: Guichard, Giles  
; TITLE OF INVENTION: A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,  
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES.  
; FILE REFERENCE: 03495.0166-01000  
; CURRENT APPLICATION NUMBER: US/09/825,886  
; CURRENT FILING DATE: 2001-07-26  
; PRIOR APPLICATION NUMBER: 09/393,302  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: PCT/EP98/01409  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,969  
; PRIOR FILING DATE: 1997-03-12  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 249  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-825-886-24

Query Match 100.0%; Score 1288; DB 12; Length 249;  
Best Local Similarity 100.0%; Pred. No. 2.4e-83;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 MEMGRIHLELRNTPSDVKELVLDNSRNEKLEGLTDFEPELEPLSTINGLTSIANL 60  
Db 1 MEMGRIHLELRNTPSDVKELVLDNSRNEKLEGLTDFEPELEPLSTINGLTSIANL 60

QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
QY 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
DB 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
QY 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
DB 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
QY 241 PEDEGEDDD 249  
DB 241 PEDEGEDDD 249

## RESULT 2

US-10-213-700-4  
; Sequence 4, Application US/10213700  
; Publication No. US20030022332A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; Goli, Surya K.  
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSES: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; FILING DATE: 06-Aug-2002  
; APPLICATION NUMBER: US/10/213,700  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/766,738  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PP-0177 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 249 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 403007  
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-213-700-4  
Query Match 100.0%; Score 1288; DB 14; Length 249;  
Best Local Similarity 100.0%; Pred. No. 2.4e-83;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTSPDVKELVLDNSRNEGKLEGLTDFEPELEFLSTINVLSTIANL 60  
DB 1 MEMGRIHLELRNRTSPDVKELVLDNSRNEGKLEGLTDFEPELEFLSTINVLSTIANL 60

QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
QY 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
DB 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
QY 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
DB 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
QY 241 PEDEGEDDD 249  
DB 241 PEDEGEDDD 249

## RESULT 3

US-10-273-334-14  
; Sequence 14, Application US/10273334  
; Publication No. US20030129631A1  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kochevar, Gerald J.  
; APPLICANT: Brody, Jonathan R.  
; APPLICANT: Kodkol, Shrinani S.  
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
; FILE REFERENCE: 031787.0076  
; CURRENT APPLICATION NUMBER: US/10/273,334  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: US/09/591,500  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: PCT/US98/26433  
; PRIOR FILING DATE: 1998-12-11  
; PRIOR APPLICATION NUMBER: US 60/069,677  
; PRIOR FILING DATE: 1997-12-11  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 249  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-273-334-14

Query Match 100.0%; Score 1288; DB 14; Length 249;  
Best Local Similarity 100.0%; Pred. No. 2.4e-83;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTSPDVKELVLDNSRNEGKLEGLTDFEPELEFLSTINVLSTIANL 60  
DB 1 MEMGRIHLELRNRTSPDVKELVLDNSRNEGKLEGLTDFEPELEFLSTINVLSTIANL 60  
QY 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
DB 61 PKLNKLELSNDRVSGGLEVLAEKCPNLTNLGNKIKOLSTIEPLKLENKSLDL 120  
QY 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
DB 121 FNCVNTLNDRYENVFKLLPQLTLYLDGYDRDDKEAPDSADAGYVEGLDDEEEDDEBEYD 180  
QY 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
DB 181 EDAQVVEDEDEDEEEDVSGEEDVSGEYNDGEVDDEEDELGEERQKRE 240  
QY 241 PEDEGEDDD 249  
DB 241 PEDEGEDDD 249

## RESULT 4

US-10-273-334-29  
; Sequence 29, Application US/10273334

```
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 29
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-29

Query Match          99.3%; Score 1279; DB 14; Length 249;
Best Local Similarity 99.6%; Pred. No. 1e-82;
Matches 248; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
QY 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
DB 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 5
US-10-273-334-10
Sequence 10, Application US/10273334
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-10

Query Match          94.6%; Score 1218; DB 14; Length 249;
Best Local Similarity 94.4%; Pred. No. 2.1e-78;
Matches 235; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
QY 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
DB 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 6
US-10-273-334-12
Sequence 12, Application US/10273334
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-12

Query Match          94.6%; Score 1218; DB 14; Length 249;
Best Local Similarity 94.4%; Pred. No. 2.1e-78;
Matches 235; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
QY 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
DB 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249
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ORGANISM: Homo sapiens
US-10-273-334-10

Query Match          97.4%; Score 1255; DB 14; Length 249;
Best Local Similarity 98.0%; Pred. No. 5.1e-81;
Matches 244; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
QY 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
DB 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
DB 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 6
US-10-273-334-12
Sequence 12, Application US/10273334
Publication No. US20030129631A1
GENERAL INFORMATION:
APPLICANT: Pasternack, Gary R.
APPLICANT: Kocheavar, Gerald J.
APPLICANT: Brody, Jonathan R.
APPLICANT: Kodkol, Shrihari S.
TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
FILE REFERENCE: 031787.0076
CURRENT APPLICATION NUMBER: US/10/273,334
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US/09/591,500
PRIOR FILING DATE: 2000-12-06
PRIOR APPLICATION NUMBER: PCT/US98/26433
PRIOR FILING DATE: 1998-12-11
PRIOR APPLICATION NUMBER: US 60/069,677
PRIOR FILING DATE: 1997-12-11
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
US-10-273-334-12

Query Match          94.6%; Score 1218; DB 14; Length 249;
Best Local Similarity 94.4%; Pred. No. 2.1e-78;
Matches 235; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
DB 1 MEMGRIHLELRNRTPSDVKELVLDNSRNEGKLEGLTDFEELFSLTINVLTSIANL 60
QY 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
DB 61 PKLNKLLKLELSDNRVSGGLEVLAEKCPNLTHLNSGNKIKDLSLTIPLKLENLKSLLD 120
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DB 121 FNCVETNLNDYRENVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEDEDEEYD 180
QY 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
DB 181 EDAQVVEDEDEDEEEDVSGEEDDEGYNDGEVDDDEDEELGEEERGGKRRKRE 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249
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DB 181 EDAQVVEDEDEDEEEGEEDVSGEEDDEEGYNDGEVDDDEDEBELGEERQKXK 240
QY 241 PEDEGEDDD 249
DB 241 PEDEGEDDD 249

RESULT 7
US-10-273-334-34
; Sequence 34, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 34
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-34

Query Match 93.2%; Score 1201; DB 14; Length 249;
Best Local Similarity 98.7%; Pred. No. 3.3e-77;
Matches 235; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
DB 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 120
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 120
QY 121 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 180
DB 121 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 180
QY 181 EDAQVVEDEDEDEEEGEEDVSGEEDDEEGYNDGEVDDDEDEBELGEERQKXK 238
DB 181 EDAQVVEDEDEDEEEGEEDVSGEEDDEEGYNDGEVDDDEDEBELGEERQKXK 238

RESULT 8
US-10-273-334-24
; Sequence 24, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 24
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-24

Query Match 77.8%; Score 1002; DB 14; Length 234;
Best Local Similarity 86.1%; Pred. No. 3.4e-63;
Matches 205; Conservative 8; Mismatches 21; Indels 4; Gaps 2;

QY 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
DB 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 120
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 116
QY 121 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 180
DB 117 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 176
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; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 24
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-24

Query Match 81.0%; Score 1043; DB 14; Length 234;
Best Local Similarity 89.5%; Pred. No. 4.3e-66;
Matches 213; Conservative 5; Mismatches 16; Indels 4; Gaps 2;

QY 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
DB 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 120
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 116
QY 121 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 180
DB 117 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 176
QY 181 EDAQVVEDEDEDEEEGEEDVSGEEDDEEGYNDGEVDDDEDEBELGEERQKXK 238
DB 177 EDAQVVEDEDEEEGEEDVSGEEDDEEGYNDGEVDDDEDEBELGEERQKXK 234

RESULT 9
US-10-273-334-22
; Sequence 22, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kocheavar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; CURRENT FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: US/09/591,500
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 22
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-22

Query Match 77.8%; Score 1002; DB 14; Length 234;
Best Local Similarity 86.1%; Pred. No. 3.4e-63;
Matches 205; Conservative 8; Mismatches 21; Indels 4; Gaps 2;

QY 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
DB 1 MEMGRIHLELRNRTSPDKVLELDNSRSNEGKLEGLTDEFELEFLSTINVGLTSLANL 60
QY 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 120
DB 61 PKLNLKLELSDNRVSGGLEVLAEKCPNLTHLNLGNKIKDLSTIEPLKLENKLSLDL 116
QY 121 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 180
DB 117 FNCVTLNDYRENVFKLLPOLTYLDGYDRDKRAPDSDAEGYVEGLDDEDEDEDEYD 176
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Db      177  EDAQVVDEBEGEEREGEEDVSGGDGEDEBYNDGVDGDEEDBEELGEERGGKRX 231

RESULT 13
US-10-213-700-3
: Sequence 3, Application US/10213700
: Publication No. US20030022332A1
: GENERAL INFORMATION:
: APPLICANT: Bandman, Olga
: Gali, Surya K.
: TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Incyte Pharmaceuticals, Inc.
: STREET: 3174 Porter Drive
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/10/213,700
: FILING DATE: 06-Aug-2002
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/766,738
: FILING DATE: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Billings, Lucy J.
: REGISTRATION NUMBER: 36,749
: REFERENCE/DOCKET NUMBER: PP-0177 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-855-0555
: TELEFAX: 415-845-4166
: TELEX: <Unknown>
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 251 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: GenBank
: CLONE: J498225
: SEQUENCE DESCRIPTION: SEQ ID NO: 3:
:
US-10-213-700-3

Query Match      69.7%; Score 897.5; DB 14; Length 251;
Best Local Similarity 70.1%; Pred. No. 8.7e-56;
Matches 178; Conservative 38; Mismatches 29; Indels 9; Gaps

QY      1  MEMGRHLELRNTPSDVKELVDNRSNEGKLGLTSPFEELFELSTINGLTSTANL 6
Db      1  KMKGRHLELRNTPAAVRELVDNCKSDGKLTAEFYNLEFLSLINVLGIVSNL 6
QY      61  PKLNKLELSDNRVSGGLEVLAEKCPNLTHNLISGNLIKDLSTIEPKLENLKSLDL 1
Db      61  PKLPKLELSEINRIFGGLDMLAEKLPNLTHNLISGNLKDLSTIEPKLECLKSLDL 1
QY      121  FNCVETNLDYRENVFKLLPOLTYLDGYRDDKAPDSOAGYVGLDDEDEE----DE 1
Db      121  FNCVETNLDYRESYFKLLPQLTYLDGYRDDEQAPDSOAE--VDGVDEEDEDEE 1
QY      177  RYSDAQAQVY--DEEDEEEGEEEREDVSGEEDDEGYNDGVDGDEEDEEELGERBG 2
Db      179  DDDDDGCEERFDEDEDEDEDEDEDEDDVDSVEERFGLDEDEDEDEDEE--EKGKG 2
QY      235  QRRKEEPEDEGEOD 248

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Search completed: June 24, 2004, 11:03:14  
Job time : 40.2112 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 24, 2004, 10:51:52 ; Search time 37.7888 Seconds  
(without alignments)  
1748.173 Million cell updates/sec

Title: US-09-591-500A-4

Perfect score: 1216

Sequence: 1 MEMGRIHSELNRPASVDK.....VDGEDEELGEBERQQRK 234

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_5/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_5/ptodata/2/pubpaa/PTCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_5/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_5/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_5/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_5/ptodata/2/pubpaa/PTCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_5/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_5/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_5/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*
- 10: /cgn2\_5/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*
- 11: /cgn2\_5/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*
- 12: /cgn2\_5/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_5/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*
- 14: /cgn2\_5/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*
- 15: /cgn2\_5/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*
- 16: /cgn2\_5/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*
- 17: /cgn2\_5/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*
- 18: /cgn2\_5/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1216	100.0	234	14	US-10-273-334-2
2	1216	100.0	234	14	US-10-273-334-49
3	1209	99.4	234	14	US-10-273-334-16
4	1209	99.4	234	14	US-10-273-334-22
5	1161	95.5	234	14	US-10-273-334-24
6	1019	83.8	249	12	US-10-273-334-34
7	1001	82.3	249	12	US-09-825-886-24
8	1001	82.3	249	14	US-10-213-700-4
9	1001	82.3	249	14	US-10-273-334-14
10	932	81.6	249	14	US-10-273-334-29
11	974	80.1	249	14	US-10-273-334-10
12	940	77.3	249	14	US-10-273-334-12
13	683.5	56.2	251	14	US-10-213-700-3
14	676.5	55.6	251	14	US-10-213-700-1
15	618	50.8	268	15	US-10-104-047-3158

16	532	43.8	130	14	US-10-273-334-31	Sequence 31, Appl
17	512	42.1	130	14	US-10-273-334-5	Sequence 5, Appl
18	492	40.5	130	14	US-10-273-334-8	Sequence 8, Appl
19	492	40.5	130	14	US-10-273-334-18	Sequence 18, Appl
20	492	40.5	130	14	US-10-273-334-20	Sequence 20, Appl
21	492	40.5	130	14	US-10-273-334-27	Sequence 27, Appl
22	482	39.6	131	14	US-10-273-334-48	Sequence 48, Appl
23	478	39.3	218	15	US-10-108-260A-3032	Sequence 3032, Ap
24	287.5	23.6	295	12	US-10-424-599-239171	Sequence 239171,
25	175	14.4	76	13	US-10-101-487-36	Sequence 36, Appl
26	174	14.3	542	12	US-10-205-331-57	Sequence 57, Appl
27	173	14.2	180	13	US-10-101-487-116	Sequence 116, App
28	173	14.2	197	13	US-10-101-487-51	Sequence 51, Appl
29	171	14.1	197	13	US-10-101-487-114	Sequence 114, App
30	170	14.0	200	13	US-10-101-487-53	Sequence 53, Appl
31	169	13.9	179	13	US-10-101-487-107	Sequence 107, App
32	169	13.9	181	13	US-10-101-487-45	Sequence 45, Appl
33	166	13.7	176	13	US-10-101-487-70	Sequence 70, Appl
34	166	13.7	177	13	US-10-101-487-48	Sequence 48, Appl
35	166	13.7	177	13	US-10-101-487-115	Sequence 115, App
36	166	13.7	179	13	US-10-101-487-46	Sequence 46, Appl
37	166	13.7	186	13	US-10-101-487-44	Sequence 44, Appl
38	166	13.7	187	13	US-10-101-487-50	Sequence 50, Appl
39	166	13.7	191	13	US-10-101-487-81	Sequence 81, Appl
40	166	13.7	198	13	US-10-101-487-42	Sequence 42, Appl
41	165	13.6	174	13	US-10-101-487-72	Sequence 72, Appl
42	165	13.6	175	13	US-10-101-487-57	Sequence 57, Appl
43	165	13.6	176	13	US-10-101-487-56	Sequence 56, Appl
44	165	13.6	240	13	US-10-101-487-75	Sequence 75, Appl
45	165	13.6	350	13	US-10-101-487-58	Sequence 58, Appl

## ALIGNMENTS

### RESULT 1

US-10-273-334-2  
; Sequence 2, Application US/10273334  
; Publication No. US20030129631A1  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kochevar, Gerald J.  
; APPLICANT: Brody, Jonathan R.  
; APPLICANT: Kodkol, Shihari S.  
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
; FILE REFERENCE: 031787.0076  
; CURRENT APPLICATION NUMBER: US/10/273,334  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: PCT/US98/26433  
; PRIOR FILING DATE: 1998-12-11  
; PRIOR APPLICATION NUMBER: US 60/069,677  
; PRIOR FILING DATE: 1997-12-11  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 234  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-273-334-2

Query Match 100.0%; Score 1216; DB 14; Length 234;

Best Local Similarity 100.0%; Pred. No. 1.1e-88;

Matches 234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRPASVDKELALNSNSNECKLEALTDEFEELFKINGLTSIDL 60

DB 1 MEMGRIHSELNRPASVDKELALNSNSNECKLEALTDEFEELFKINGLTSIDL 60

QY 61 PKLKLKLELRVSGGLEVLAKCPNLTLYLSGNKIKDLSTIEPLKQLENLKSILDFNCE 120

DB 61 PKLKLKLELRVSGGLEVLAKCPNLTLYLSGNKIKDLSTIEPLKQLENLKSILDFNCE 120



QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 QY 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234  
 DB 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234

## RESULT 2

US-10-273-334-49  
 ; Sequence 49, Application US/10273334  
 ; Publication No. US20030129631A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Pasternack, Gary R.  
 ; APPLICANT: Kocheavar, Gerald J.  
 ; APPLICANT: Brody, Jonathan R.  
 ; APPLICANT: Kodkol, Shrihari S.  
 ; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
 ; FILE REFERENCE: 031787.0076  
 ; CURRENT APPLICATION NUMBER: US/10/273.334  
 ; PRIOR FILING DATE: 2002-10-18  
 ; PRIOR APPLICATION NUMBER: US/09/591.500  
 ; PRIOR FILING DATE: 2000-12-06  
 ; PRIOR APPLICATION NUMBER: PCT/US98/26433  
 ; PRIOR FILING DATE: 1998-12-11  
 ; PRIOR APPLICATION NUMBER: US 60/069,677  
 ; PRIOR FILING DATE: 1997-12-11  
 ; NUMBER OF SEQ ID NOS: 51  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 49  
 ; LENGTH: 234  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

## US-10-273-334-49

Query Match 100.0%; Score 1216; DB 14; Length 234;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-88;  
 Matches 234; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEELFELSKINGGUTSISDL 60  
 DB 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEELFELSKINGGUTSISDL 60  
 QY 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 DB 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 QY 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234  
 DB 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234

## RESULT 3

US-10-273-334-16  
 ; Sequence 16, Application US/10273334  
 ; Publication No. US20030129631A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Pasternack, Gary R.  
 ; APPLICANT: Kocheavar, Gerald J.  
 ; APPLICANT: Brody, Jonathan R.  
 ; APPLICANT: Kodkol, Shrihari S.  
 ; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
 ; FILE REFERENCE: 031787.0076  
 ; CURRENT APPLICATION NUMBER: US/10/273.334  
 ; PRIOR FILING DATE: 2002-10-18  
 ; PRIOR APPLICATION NUMBER: US/09/591.500  
 ; PRIOR FILING DATE: 2000-12-06

; PRIOR APPLICATION NUMBER: PCT/US98/26433  
 ; PRIOR FILING DATE: 1998-12-11  
 ; PRIOR APPLICATION NUMBER: US 60/069,677  
 ; PRIOR FILING DATE: 1997-12-11  
 ; NUMBER OF SEQ ID NOS: 51  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 16  
 ; LENGTH: 234  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-273-334-16

Query Match 99.4%; Score 1209; DB 14; Length 234;  
 Best Local Similarity 99.6%; Pred. No. 3.9e-88;  
 Matches 233; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEELFELSKINGGUTSISDL 60  
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 QY 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 DB 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 DB 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180  
 QY 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234  
 DB 181 VVEDEEGEHEEHEEDVSGDEDEEGYNDGEVDGDEDEELGEEERGQK 234

## RESULT 4

US-10-273-334-22  
 ; Sequence 22, Application US/10273334  
 ; Publication No. US20030129631A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Pasternack, Gary R.  
 ; APPLICANT: Kocheavar, Gerald J.  
 ; APPLICANT: Brody, Jonathan R.  
 ; APPLICANT: Kodkol, Shrihari S.  
 ; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
 ; FILE REFERENCE: 031787.0076  
 ; CURRENT APPLICATION NUMBER: US/10/273.334  
 ; PRIOR FILING DATE: 2002-10-18  
 ; PRIOR APPLICATION NUMBER: US/09/591.500  
 ; PRIOR FILING DATE: 2000-12-06  
 ; PRIOR APPLICATION NUMBER: PCT/US98/26433  
 ; PRIOR FILING DATE: 1998-12-11  
 ; PRIOR APPLICATION NUMBER: US 60/069,677  
 ; PRIOR FILING DATE: 1997-12-11  
 ; NUMBER OF SEQ ID NOS: 51  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 22  
 ; LENGTH: 234  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-273-334-22

Query Match 99.4%; Score 1209; DB 14; Length 234;  
 Best Local Similarity 99.1%; Pred. No. 3.9e-88;  
 Matches 232; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEELFELSKINGGUTSISDL 60  
 DB 1 MEMGRIHSELNRAPSDVKELALDNRSGKLEALTDPEELFELSKINGGUTSISDL 60  
 QY 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 DB 61 PKLKLRLKLELVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKLENKSLDLFNCE 120  
 QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDADAQ 180

Db 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDEDAQ 180  
QY 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 234  
Db 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 234

## RESULT 5

US-10-273-334-24  
; Sequence 24, Application US/10273334  
; Publication No. US20030129631A1  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kocheavar, Gerald J.  
; APPLICANT: Brody, Jonathan R.  
; APPLICANT: Kodkol, Shrihari S.  
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
; FILE REFERENCE: 031787.0076  
; CURRENT APPLICATION NUMBER: US/10/273,334  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: US/09/591,500  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: PCT/US98/26433  
; PRIOR FILING DATE: 1998-12-11  
; PRIOR APPLICATION NUMBER: US 60/069,677  
; PRIOR FILING DATE: 1997-12-11  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 24  
; LENGTH: 234  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-273-334-24

Query Match 95.5%; Score 1161; DB 14; Length 234;  
Best Local Similarity 95.7%; Pred. No. 2.5e-84;  
Matches 224; Conservative 2; Mismatches 8; Indels 0; Gaps 0;  
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60  
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60  
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNC 120  
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDLFNC 120  
QY 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDEDAQ 180  
Db 121 VTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYDEDAQ 180  
QY 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 234  
Db 181 VVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 234

## RESULT 6

US-10-273-334-34  
; Sequence 34, Application US/10273334  
; Publication No. US20030129631A1  
; GENERAL INFORMATION:  
; APPLICANT: Pasternack, Gary R.  
; APPLICANT: Kocheavar, Gerald J.  
; APPLICANT: Brody, Jonathan R.  
; APPLICANT: Kodkol, Shrihari S.  
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY  
; FILE REFERENCE: 031787.0076  
; CURRENT APPLICATION NUMBER: US/10/273,334  
; CURRENT FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: US/09/591,500  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: PCT/US98/26433  
; PRIOR FILING DATE: 1998-12-11

; PRIOR APPLICATION NUMBER: US 60/069,677  
; PRIOR FILING DATE: 1997-12-11  
; NUMBER OF SEQ ID NOS: 51  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 34  
; LENGTH: 249  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-273-334-34

Query Match 83.8%; Score 1019; DB 14; Length 249;  
Best Local Similarity 87.0%; Pred. No. 5e-73;  
Matches 207; Conservative 7; Mismatches 20; Indels 4; Gaps 2;  
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60  
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60  
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDL 116  
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDL 120  
QY 117 FNCVNTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 176  
Db 121 FNCVNTNLNDYGENVFKLLQLTYLDSYWDHKEAPYSDIEDHVEGLDDEEGEHEEYD 180  
QY 177 EDAQVVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 234  
Db 181 EDAQVVEDEGEHEEGBEDVSGDEDEEGYNDGVDGDEDEEELGEEERGGQK 238

## RESULT 7

US-09-825-886-24  
; Sequence 24, Application US/09825886  
; Publication No. US20020076693A1  
; GENERAL INFORMATION:  
; APPLICANT: Hovanesian, Ara  
; APPLICANT: Callebaut, Christian  
; APPLICANT: Krust, Bernard  
; APPLICANT: Jacotot, Etienne  
; APPLICANT: Muller, Sylviane  
; APPLICANT: Briand, Jean-Paul  
; APPLICANT: Guichard, Giles  
; TITLE OF INVENTION: A NOVEL CELL SURFACE RECEPTOR FOR HIV RETROVIRUSES,  
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USES.  
; FILE REFERENCE: 03495-0166-01000  
; CURRENT APPLICATION NUMBER: US/09/825,886  
; PRIOR FILING DATE: 2001-07-26  
; PRIOR APPLICATION NUMBER: 09/393,302  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: PCT/EP98/01409  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,969  
; PRIOR FILING DATE: 1997-03-12  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 249  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-825-886-24

Query Match 82.3%; Score 1001; DB 12; Length 249;  
Best Local Similarity 85.1%; Pred. No. 1.3e-71;  
Matches 205; Conservative 7; Mismatches 22; Indels 4; Gaps 2;  
QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEFEFLSKINGLTSIDL 60  
Db 1 MEMGRIHSELNRTPSDVKELVLDNRSGNEKLEGLTDFEFLFLSTINVLTSIANL 60  
QY 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDL 116  
Db 61 PKLKLRLVSGGLEVLAEKCPNLTHLYLSGNKIKDLSLTIPLKQLENKSLDL 120



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; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 249
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-29

Query Match      81.6%; Score 992; DB 14; Length 249;
Best Local Similarity 85.7%; Pred. No. 6.9e-71;
Matches 204; Conservative 7; Mismatches 23; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEPELEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRRTSDVKELVLSNRSGNEKLEGLTDEPELEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNRSASVGLVLAECNPLNLTLSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVNTNLNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
DB 121 FNCVNTNLNDYGNVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEHEEYD 180
QY 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 234
DB 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 238

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RESULT 11
US-10-273-334-10
; Sequence 10, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kochevar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-10

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Query Match      80.1%; Score 974; DB 14; Length 249;
Best Local Similarity 84.5%; Pred. No. 1.8e-69;
Matches 201; Conservative 7; Mismatches 26; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEPELEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRRTSDVKELVLSNRSGNEKLEGLTDEPELEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNRSASVGLVLAECNPLNLTLSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVNTNLNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
DB 121 FNCVNTNLNDYGNVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEHEEYD 180
QY 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 234

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DB 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 238

RESULT 12
US-10-273-334-12
; Sequence 12, Application US/10273334
; Publication No. US20030129631A1
; GENERAL INFORMATION:
; APPLICANT: Pasternack, Gary R.
; APPLICANT: Kochevar, Gerald J.
; APPLICANT: Brody, Jonathan R.
; APPLICANT: Kodkol, Shrihari S.
; TITLE OF INVENTION: GENE FAMILY WITH TRANSFORMATION MODULATING ACTIVITY
; FILE REFERENCE: 031787.0076
; CURRENT APPLICATION NUMBER: US/10/273,334
; PRIOR FILING DATE: 2002-10-18
; PRIOR FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: PCT/US98/26433
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,677
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-273-334-12

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Query Match      77.3%; Score 940; DB 14; Length 249;
Best Local Similarity 81.5%; Pred. No. 9.2e-67;
Matches 194; Conservative 12; Mismatches 28; Indels 4; Gaps 2;

QY 1 MEMGRIHSELNRAPSDVKELALDNRSGNEKLEALTDPEPELEFLSKINGLTSIDL 60
DB 1 MEMGRIHSELNRRTSDVKELVLSNRSGNEKLEGLTDEPELEFLSTINVLTSIANL 60
QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTLYLSGNKIKDLSSTIEPLKQLENLKSIDL 116
DB 61 PKLNLKLELSNRSASVGLVLAECNPLNLTLSGNKIKDLSSTIEPLKQLENLKSIDL 120
QY 117 FNCVNTNLNDYGNVFKLLQLTYLDSQYWDHKEAPYSDIEDHVEGLDDEEHEEYD 176
DB 121 FNCVNTNLNDYGNVFKLLPOLTYLDGYDRDDKEAPSDAEGYVEGLDDEEHEEYD 180
QY 177 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 234
DB 181 EDAQVVEDEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEHEEYD 238

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RESULT 13
US-10-213-700-3
; Sequence 3, Application US/10213700
; Publication No. US2003022332A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-Seq for Windows Version 2.0

```

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/213,700  
 FILING DATE: 06-Aug-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/766,738  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0177 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX: <Unknown>  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 251 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: GenBank  
 CLONE: 1498225  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 US-10-213-700-3

Query Match 56.2%; Score 683.5; DB 14; Length 251;  
 Best Local Similarity 61.0%; Pred. No. 2.1e-46;  
 Matches 152; Conservative 34; Mismatches 40; Indels 23; Gaps 8;  
 QY 1 MEMRRTHSELRNAPSVDVKELALDMSRNEGKLEALTDDEFELEFLSKINGLTSIDL 60  
 DB 1 MEMKRTHLELRNTPAAVRRLVDNCKNSDKIEGLTAEPVNFLEFLSLINVLISVSNL 60  
 QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHTLNLGSKNKLKDIETPLKLENKLSLDL 116  
 DB 61 PKLPKLELSENRIFGGLDMLAEKLPNLTHTLNLGSKNKLKDIETPLKLECLKLSLDL 120  
 QY 117 FNCVNTNLNDYGVNFKLLQLTLDSCYNDHKEAPYSDIEDHVEGLDDBEEGEH-EEY 175  
 DB 121 FNCVNTNLNDYGVNFKLLQLTLDYDREDQEPDSDAE--VDGVDESEDEGEDEE 178  
 QY 176 DEDAQVVEDEGEDEE---EEGEDEEVSG-----GDEDEEGVNDGVNDEDEDEELG 225  
 DB 179 DED-----DEGEDEEPEDEDEDEVEDGDDDDDEVSEEEFGLDDEDEDEDEE-B 232  
 QY 226 EERGGQKK 234  
 DB 233 EGGKGEKK 241

RESULT 14  
 US-10-213-700-1  
 ; Sequence 1, Application US/10/213700  
 ; Publication No. US2003002232A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bandman, Olca  
 ; TITLE OF INVENTION: NOVEL HUMAN PHOSPHATASE INHIBITOR PROTEIN  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/213,700  
 FILING DATE: 06-Aug-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/766,738  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0177 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX: <Unknown>  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 251 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: Consensus  
 CLONE: 1813361  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-10-213-700-1

Query Match 55.6%; Score 676.5; DB 14; Length 251;  
 Best Local Similarity 60.6%; Pred. No. 7.5e-46;  
 Matches 151; Conservative 34; Mismatches 41; Indels 23; Gaps 8;  
 QY 1 MEMRRTHSELRNAPSVDVKELALDMSRNEGKLEALTDDEFELEFLSKINGLTSIDL 60  
 DB 1 MDKRRTHLELRNTPAAVRRLVDNCKNSDKIEGLTAEPVNFLEFLSLINVLISVSNL 60  
 QY 61 PKL-KLRKLEL---RVSGGLEVLAEKCPNLTHTLNLGSKNKLKDIETPLKLENKLSLDL 116  
 DB 61 PKLPKLELSENRIFGGLDMLAEKLPNLTHTLNLGSKNKLKDIETPLKLECLKLSLDL 120  
 QY 117 FNCVNTNLNDYGVNFKLLQLTLDSCYNDHKEAPYSDIEDHVEGLD-DEEGEHEEY 175  
 DB 121 FNCVNTNLNDYGVNFKLLQLTLDYDREDQEPDSDAE--VDGVDXKXEDGEDEE 178  
 QY 176 DEDAQVVEDEGEDEE---EEGEDEEVSG-----GDEDEEGVNDGVNDEDEELG 225  
 DB 179 DED-----DEGEDEEPEDEDEDEVEDGDDDDDEVSEEEFGLDDEDEDEDEE-B 232  
 QY 226 EERGGQKK 234  
 DB 233 EGGKGEKK 241

RESULT 15  
 US-10-104-047-3158  
 ; Sequence 3158, Application US/10104047  
 ; Publication No. US20030236392A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HELIX RESEARCH INSTITUTE  
 ; TITLE OF INVENTION: No. US20030236392A1 full length cdna  
 ; FILE REFERENCE: H1-A0105  
 ; CURRENT APPLICATION NUMBER: US/10/104,047  
 ; CURRENT FILING DATE: 2002-03-25  
 ; PRIOR APPLICATION NUMBER:  
 ; PRIOR FILING DATE:  
 ; NUMBER OF SEQ ID NOS: 4096  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 3158  
 ; LENGTH: 268  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-104-047-3158  
 Query Match 50.8%; Score 618; DB 15; Length 268;

